

Fig. 1

hGPC3	1:	MAGTVRTACLVVAMLLSLDFPGQAQPPPPPP	60
mGPC3	1:	MAGTVRTACLVVAMLLSLGCLGQAQPPPPPP-DATCHQVRSFFQRLQPLGKLVWPETPVPGS	59
Signal Peptide			
hGPC3	61:	DLQVCLPKGPTCCSRKMEEKYQLTARLNMEQLQSASMEKFLIIQNAAVFQEA FEIVVR	120
mGPC3	60:	DLQVCLPKGPTCCSRKMEEKYQLTARLNMEQLQSASMEKFLIIQNAAVFQEA FEIVVR	119
hGPC3	121:	HAKNYTNAMFKNNYPSLTPQAFEFVGEFFTDVSLYILGSDINVDMMVNELFDSLFPVIYT	180
mGPC3	120:	HAKNYTNAMFKNNYPSLTPQAFEFVGEFFTDVSLYILGSDINVDMMVNELFDSLFPVIYT	179
hGPC3	181:	QLMNPGLPDSALDINECLRGARRDLKVFGNFPKLMITQVSKSLQVTRIFLQALNLGIEVI	240
mGPC3	180:	QMMNPGLPESVLDINECLRGARRDLKVFGSFPKLMITQVSKSLQVTRIFLQALNLGIEVI	239
hGPC3	241:	NTTDHLKFSKDCGRMLTRMWYCSYCOGLMMVKPCGGYCNVVMQGMAGVVEIDKYWREYI	300
mGPC3	240:	NTTDHLKFSKDCGRMLTRMWYCSYCOGLMMVKPCGGYCNVVMQGMAGVVEIDKYWREYI	299
hGPC3	301:	LSLEELVNGMYRIYDMENVLLGLFSTIHDSIQYVQKNAGKLTITIGKLCASHSQQRYSR	360
mGPC3	300:	LSLEELVNGMYRIYDMENVLLGLFSTIHDSIQYVQKNAGKLTITIGKLCASHSQQRYSR	359
hGPC3	361:	YYPEDLFIDKKVLLKVAHVEHEETLSSRRRELIIQKLKSFISFYSALPGYICSHSPVAENDT	420
mGPC3	360:	YYPEDLFIDKKVLLKVAHVEHEETLSSRRRELIIQKLKSFIMFYSALPGYICSHSPVAENDT	419
hGPC3	421:	LCWNGQELVERYQKAARNGMKNQFNLHELKMKGPEPVVSQIIDKLKHINQLLRTMSMPK	480
mGPC3	420:	LCWNGQELVERYQKAARNGMKNQFNLHELKMKGPEPVVSQIIDKLKHINQLLRTMSVPK	479
hGPC3	481:	GRVLDKMLDEEGFESGDCGDDDEDECIGSSGSGDMIKVKKNQLRFLAEAYDLVDVDPAGNSQ	540
mGPC3	480:	GKVLDSLDDEEGLESGDCGDDDEDECIGSSGSGDMIKVKKNQLRFLAEAYDLVDVDPAGNKQ	539
hGPC3	541:	QATPKDNEISTFTFNLGNVHSPKLTLTSMATSVVCFVFLVH	580
mGPC3	540:	HGNQKDNEITTSHSVGNMPSPLKTLTSMATSVVCFVFLVH	579
Signal Peptide			

▲: Possibility of

N-linked

glycosylation site

*: Possibility of

glycosamino

glycan-binding site

Fig. 2

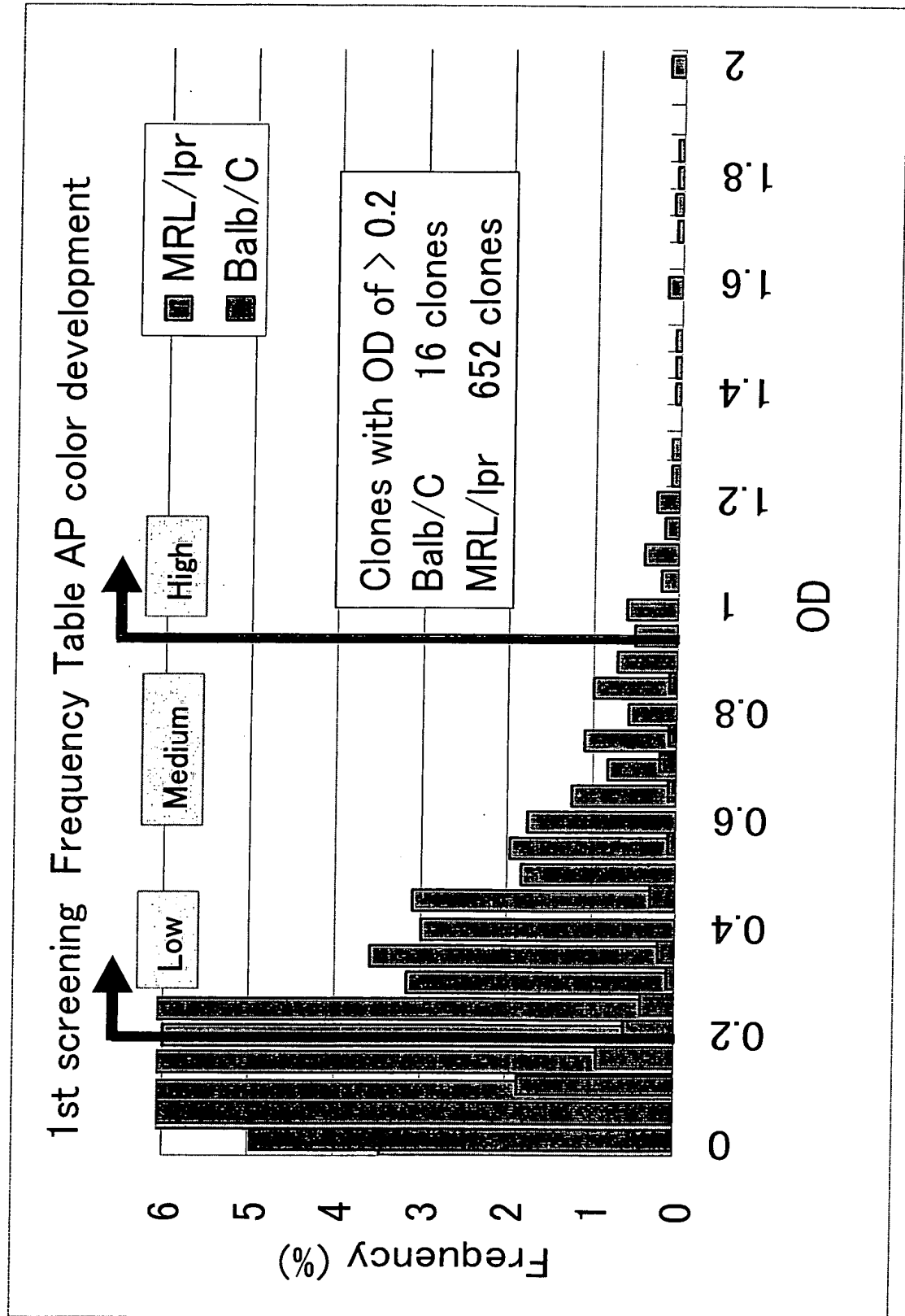


Fig. 3

Numerical values indicate the number of clones

Subclass	Mouse	MRL/lpr	Balb/c
Mouse IgG1		17	9
IgG2a		8	2
IgG2b		2	2
IgG3		3	0
IgM		4	0

Total 34 13

Fig. 4

Clone #	Iso-type	BIAcore			
		ka (1/Ms)	kd (1/s)	KD (nM)	Rmax(RU)
B2G03	IgG2b	N.D.	N.D.	N.D.	N.D.
B3E02	IgG2a	1.15E+05	1.72E-02	1.49E-07	37
B4A01	IgG1	N.D.	N.D.	N.D.	N.D.
B4E11	IgG1	4.59E+04	1.89E-03	4.11E-08	17
B4F07	IgG2b	N.D.	N.D.	N.D.	N.D.
B4G03	IgG1	9.89E+04	3.48E-03	3.52E-08	103
B6D05	IgG1	N.D.	N.D.	N.D.	N.D.
B9H02	IgG1	6.59E+05	1.03E-02	1.56E-08	8
B11F05	IgG1	3.52E+04	3.85E-03	1.09E-07	17
B11H06	IgG1	2.29E+05	6.50E-03	2.84E-08	30
M1A02	IgG2a	4.21E+05	9.71E-03	2.31E-08	146
M1E07	IgG1	1.52E+05	4.27E-04	2.82E-09	1610
M3B08	IgG1	2.66E+05	4.67E-03	1.76E-08	3110
M3C11	IgG1	2.54E+05	6.51E-05	2.57E-10	2044
M5B09	IgG1	5.91E+04	1.39E-03	2.35E-08	2080
M6B01	IgG1	1.46E+05	7.39E-04	5.06E-09	2480
M6B03	IgG2a	1.05E+05	1.21E-02	1.15E-07	33
M7B03	IgM	2.35E+06	6.11E-03	2.60E-09	220
M7D08	IgG2a	3.42E+05	1.26E-02	3.67E-08	37
M8A06	IgG2a	3.34E+05	7.94E-03	2.38E-08	133
M8F06	IgG2a	7.72E+04	5.10E-03	6.61E-08	72
M10D02	IgG1	1.05E+05	4.96E-04	4.72E-09	2370
M11A09	IgG1	5.42E+05	2.85E-02	5.25E-08	40
M11F01	IgG2b	1.42E+05	3.52E-05	2.48E-10	2888
M11F04	IgG2b	1.27E+05	5.63E-05	4.43E-10	2555
M12G02	IgG2a	2.21E+05	1.14E-02	5.15E-08	85
M12G11	IgM	1.74E+06	4.92E-03	2.83E-09	42
M13B03	IgG1	1.98E+05	9.13E-05	4.61E-10	1860
M13D10	IgG2a	N.D.	N.D.	N.D.	N.D.
M13F01	IgM	2.29E+06	6.47E-03	2.83E-09	193
M15D07	IgG1	1.08E+04	7.32E-04	6.78E-08	503
M15D11	IgG1	1.41E+05	7.12E-04	5.05E-09	2140
M17H05	IgG2a	1.14E+05	7.70E-03	6.75E-08	27
M18D04	IgG1	8.05E+04	4.96E-04	6.16E-09	1850
M18D10	IgG1	1.33E+05	6.03E-04	4.55E-09	1640
M18F10	IgG1	N.D.	N.D.	N.D.	N.D.
M19B11	IgG1	1.51E+05	1.71E-04	1.14E-09	1930
M19G09	IgG1	6.71E+04	4.37E-04	6.51E-09	1935
K6534	IgG1	1.54E+05	1.00E-04	6.49E-10	952
K6511	IgG3	2.17E+05	1.04E-04	4.80E-10	1742